



A 10-year campaign to characterize the dimensions of biodiversity on Earth.



A 10-year campaign to characterize the dimensions of biodiversity on Earth.

Taxonomic Genomic Functional



A 10-year campaign to characterize the dimensions of biodiversity on Earth.

Taxonomic Genomic Functional

> Integration Novel approaches Rapid advances



A 10-year campaign to characterize the dimensions of biodiversity on Earth.

Taxonomic Genomic Functional Focus on key but little known dimensions

Integration Novel approaches Rapid advances



A 10-year campaign to characterize the dimensions of biodiversity on Earth.



A 10-year campaign to characterize the dimensions of biodiversity on Earth.

Streams of activity:

NSF investments and ideas Getting advice Interagency coordination International partnerships



A 10-year campaign to characterize the dimensions of biodiversity on Earth.

NSF investments:

ARRA \$9M to nucleate the activity (proposals already in house) + ~\$11M digitization

FY10 – est. \$12-20M for special competition

Interdirectorate working group drafting announcement, management, and assessment plan: Dr. **Scott Snyder** (BIO/DEB) chair.

Ideas (not all in 2010!):

Fundamental research

Full projects, incubations, supplements, PIREs, facilitation of permitting and other access

Synthesis hubs and nodes

RCNs, working groups at synthesis centers, new informatics hub

Coordination of observatory networks

Environmental observatory networks
Collections to look across time and space (worldwide

observatory network that lacks the 'net')

Infrastructure

Intellectual – education/training; cross-trained postdocs?

Cyber – databases, interoperability & archiving, standards, access

Physical – expanded and new capacity for sample care and curation; digitizing collections, sorting & digitizing backlogs (student training?)



A 10-year campaign to characterize the dimensions of biodiversity on Earth.

Getting advice:

Learning from NGOs

Workshop prospectus in hand; develop compendium of enabling support for biodiversity research; identify significant gaps; avoid duplication; increase leveraging

Baseline Dimensions

Workshop concept: experts develop baseline report, post on Wiki, crowd sourcing to refine and update; freeze/ archive periodically; use to identify future targets

Advisory Committees and Review Panels

Mining existing reports



A 10-year campaign to characterize the dimensions of biodiversity on Earth.

Interagency coordination:

Meeting being hosted by Dr. Collins:

NOAA, NASA, State, OSTP, DOE, USGS, SI, USDA Forest Service



A 10-year campaign to characterize the dimensions of biodiversity on Earth.

International partnerships:

China – CAS & NSFC; videocon in July; Joint Commission mtg Oct. 15.

Australia – Aus. Natural Resources Study; videocon in August Great Britain – NERC; videocon scheduled for next week Diversitas – international coordination organization; meeting in South Africa in October

<u>Ideas</u> include joint funding of Research Coordination Networks; facilitation of access for investigators; targeted workshops; exchanges of junior and mid-career researchers



